

IN THE CLAIMS:

Please amend claims 1, 10 and 15 as follows:

1           Claim 1. (currently amended) A method of operating a  
2   mobile agent that travels through a network of a number of  
3   computers, wherein the mobile agent is executed in a sequence  
4   of stages and wherein each stage comprises a set of places,  
5   the method comprising the following steps:

6           executing the mobile agent in at least one of the set of  
7   places of a respective one of the stages,

8           evaluating in which place of the respective stage the  
9   mobile agent has been executed successfully,

10          agreeing on a primary place among the set of places,

11          aborting and/or undoing any operation in connection with  
12   the mobile agent in any other place of the respective stage,

13          moving a modified mobile agent resulting from the  
14   successful execution to the next stage to at least two  
15   forwarding places, and

16          wherein agreeing on a primary place among the set of  
17   places includes generating a decision in each stage, the  
18   decision including the primary place that corresponds to the  
19   place in which the mobile agent has executed successfully, the  
20   set of places of the next stage to which the modified mobile  
21   agent is moved, and the resulting modified mobile agent.

1           Claim 2. (original) The method of claim 1 wherein the  
2   steps are repeated for any one of the sequence of stages.

1           Claim 3. (original) The method of claim 1 wherein the  
2   mobile agent is executed sequentially in the set of places of  
3   the respective stage, and wherein the mobile agent is not  
4   executed anymore in subsequent places after successful

5 execution in one of the set of places and agreement on this  
6 successful execution.

1 Claim 4. (cancelled)

1 Claim 5. (previously presented) The method of claim 1  
2 wherein at least one of the primary place and/or the set of  
3 places of the next stage and/or the resulting modified mobile  
4 agent is confirmed to at least all other places of the  
5 respective stage except the primary place.

1 Claim 6. (previously presented) The method of claim 1  
2 wherein at least one of the primary place and/or the set of  
3 places of the next stage and/or the resulting modified mobile  
4 agent is moved to all places of the next stage.

1 Claim 7. (original) The method of claim 6 wherein the  
2 move is performed as a reliable forward function.

1 Claim 8. (original) The method of claim 1 wherein the  
2 steps are managed by a fault-tolerance enabler (FTE) which is  
3 independent of the mobile agent.

1 Claim 9. (original) The method of claim 8 wherein the FTE  
2 travels with the mobile agent to the set of places of the  
3 respective stage.

1 Claim 10. (currently amended) A computer program product  
2 embodied in computer memory comprising program code means for  
3 use for operating a mobile agent that travels through a  
4 network of a number of computers, wherein the mobile agent is  
5 executed in a sequence of stages and wherein each stage  
6 comprises a set of places, the computer program product  
7 comprising instructions for:

8 executing the mobile agent in at least one of the set of

9 places of a respective one of the stages,  
10 evaluating in which place of the respective stage the  
11 mobile agent has been executed successfully,  
12 agreeing on a primary place among the set of places,  
13 aborting and/or undoing any operation in connection with  
14 the mobile agent in any other place of the respective stage,  
15 moving a modified mobile agent resulting from the  
16 successful execution to the next stage to at least two  
17 forwarding places, and  
18 generating a decision in each stage, the decision  
19 including the primary place that corresponds to the place in  
20 which the mobile agent has executed successfully, the set of  
21 places of the next stage to which the modified mobile agent is  
22 moved, and the resulting modified mobile agent.

1 Claim 11. (original) Computer program product  
2 according to claim 10, wherein the program code means is  
3 stored on a computer-readable medium.

1 Claim 12. (previously presented) A network of a number  
2 of computers in which a mobile agent is traveling through,  
3 wherein the network comprises a sequence of stages, wherein  
4 each stage comprises a set of places, and wherein the mobile  
5 agent is executed in at least one of the set of places of a  
6 respective one of the stages, the network comprising:

7 means for evaluating in which place of the respective  
8 stage the mobile agent has been executed successfully,  
9 means for agreeing on a primary place among the set of  
10 places, means for aborting and/or undoing any operation in  
11 connection with the mobile agent in any other place of the  
12 respective stage, and

13 means for moving a modified mobile agent resulting from  
14 the successful execution to the next stage to at least two  
15 forwarding places, and

16 means for generating a decision in each stage, the  
17 decision including the primary place that corresponds to the  
18 place in which the mobile agent has executed successfully, the  
19 set of places of the next stage to which the modified mobile  
20 agent is moved, and the resulting modified mobile agent.

1 Claim 13. (previously presented) The method of claim 1,  
2 wherein the mobile agent is a computer program that acts  
3 autonomously on behalf of an agent owner or user and that  
4 travels through a network of a number of computers.

1 Claim 14. (previously presented) The computer program  
2 product of claim 10, wherein the mobile agent is a computer  
3 program that acts autonomously on behalf of an agent owner or  
4 user and that travels through a network of a number of  
5 computers.

1 Claim 15. (currently amended) The network of claim 12,  
2 wherein the mobile agent is a computer program embodied in  
3 computer memory that acts autonomously on behalf of an agent  
4 owner or user and that travels through a network of a number  
5 of computers.

1 Claim 16. (previously presented) The method of claim 1,  
2 wherein non-primary places are configured to verify the  
3 modified mobile agent has successfully arrived at the set of  
4 places of the next stage to which the modified mobile agent is  
5 moved.

1           Claim 17. (previously presented)   The computer program  
2   product of claim 10, wherein non-primary places are configured  
3   to verify the modified mobile agent has successfully arrived  
4   at the set of places of the next stage to which the modified  
5   mobile agent is moved.

1           Claim 18. (previously presented)   The network of claim  
2   12, wherein non-primary places are configured to verify the  
3   modified mobile agent has successfully arrived at the set of  
4   places of the next stage to which the modified mobile agent is  
5   moved.